

## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

S E C R E T

25X1

COUNTRY Hungary

PROCESSING COPY REPORT

SUBJECT

Aluminum and  
Mukorund Plant, Mosonmagyaróvár

DATE DISTR.

29 March 1957

25X1

NO. PAGES

1

REQUIREMENT  
NO.

RD

ENCLOSURE ATTACHED  
PLEASE ROUTEDATE OF  
INFO.

REFERENCES

25X1

PLACE &  
DATE ACQ

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

25X1

a report on the Aluminum and Mukorund Plant in Mosonmagyaróvár (N 47-52, E 17-17), containing information on the labor force, production capacity, actual and planned production, the Bayer processing method, and exports to East Germany, Czechoslovakia, and Poland.

1. Comment: Mukorund is synthetic corundum.

25X1

25X1

S E C R E T

25X1

STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC									
(Note: Washington distribution indicated by "X"; Field distribution by "#".)																			

25X1

SECRET

25X1

H U N G A R YEconomicMAGYAROVARI TITFOLD ES MUKORUND at MOSONMAGYAROVARI

1. Location is about 1 mile South-west of MOSONMAGYAROVARI.
2. Layout of the plant is shown in the attached plan.
3. Products: (a) ALUMINA  
(b) MUKORUND  
(c)  $V_2O_5$
4. Employees. Total of 800, of whom about 300 are employed on ALUMINA.
5. Capacity.  
(a) ALUMINA -  $87\frac{1}{2}$  tons per day or about 30,000 tons per year.  
(b) MUKORUND - not known.  
(c)  $V_2O_5$  - 1 ton per month.
6. Stock of Bauxite. This is usually kept at 10 to 20,000 tons.  
No supplies come in during the winter and the factory stops work for about 2 months.
7. Bauxite.  
(a) The best Bauxite comes from NYIRAD. This is very good, having 52%-54% of ALUMINA.  
(b) Another source of supply is HALIMBA but this is not good and has a low ALUMINA figure.
8. Output. Up to 1955 the output of ALUMINA was 16-18,000 tons per year but in 1956 production was greatly increased and reached 35,000 tons. A figure of 45,000 tons is expected by 1960.
9. Destination. 90% of the ALUMINA is sent to East Germany and C.S.R. Sometimes a small amount goes to Poland.

/10.

SECRET

38-11-5-8

25X1

SECRET

25X1

-2-

10. ALUMINA. The BAYER process (wet) is used. This is divided into five stages:

- (i) Preparation of the Bauxite ore.
- (ii) The mixing of the Bauxite with the alkalis.
- (iii) The separation of the Alumina hydrate from the Alkalis.
- (iv) The treatment of the Alumina Hydroxide.
- (v) The evaporation of the caustic soda.

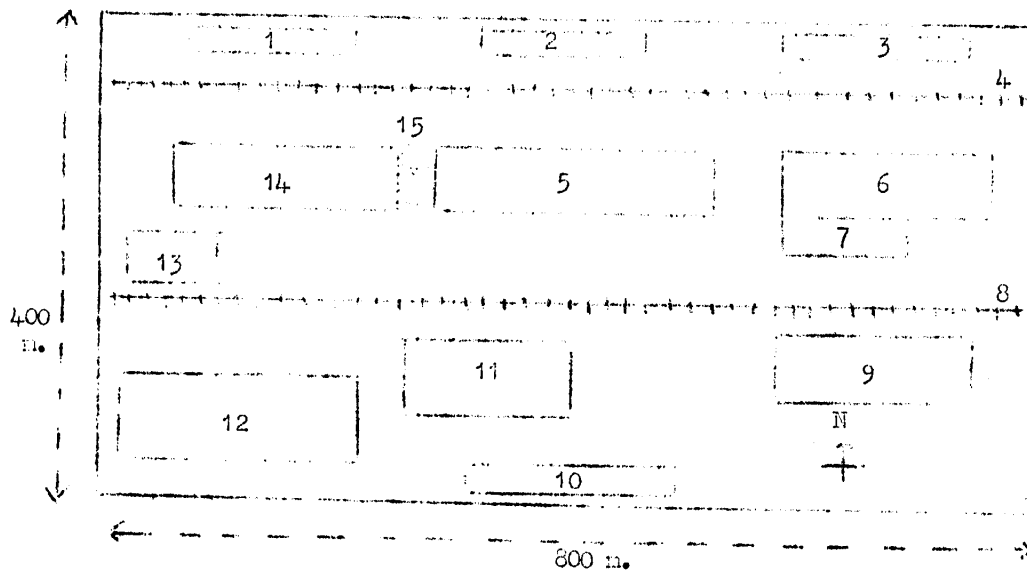
11. MUMORUND. The final product is to No.8 specification by the Moss scale.

12. 1960 Plan. It was anticipated that the target of production of 220,000 tons per year of Alumina would have been achieved if it had not been affected by the October 1956 revolts.

25X1

Appendix

MAJLAROVI TI FOLD ES MUKORUND



NOT TO SCALE

- 1 - Generator
- 2 - Repair Shop
- 3 - No. 5 Process
- 4 - Railway Siding
- 5 - No. 3 Process
- 6 - No. 2 Process
- 7 - No. 1 Process
- 8 - Railway Siding
- 9 - Store
- 10 - Power Station, 800 kw.
- 11 -  $V_2O_5$
- 12 - MUKORUND
- 13 - MUKORUND
- 14 - No. 4 Process
- 15 - Two Chimneys (80 m.) (old power station)

**SECRET**

25X1